

REPORT TITLE: A STUDY OF THE RELATIONSHIP OF
GEOLOGICAL FORMATION TO THE
NORM

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INSTITUTION: CENTER FOR ENERGY AND ENVIRON-
MENTAL STUDIES
SOUTHERN UNIVERSITY
BATON ROUGE, LA. 70813

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PRINCIPAL AUTHORS: TALMAGE P. BURSH
DERALD CHRISS

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Center for Energy and
Environmental Studies
P.O. Box 9764
Baton Rouge, LA 70813

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ABSTRACT

Naturally Occurring Radioactive Materials (NORM) is a common and costly contaminant of produced waters associated with natural gas production and exploration. One way of combatting this problem is by identifying the problem beforehand. Our approach to this problem involves development of NORM prediction capabilities based on the geological environment.

During quarter twenty six this project, work has continued in accordance with the project scope of work. Metals analysis has been done with additional testing continuing.

EXECUTIVE SUMMARY:

The Southern University Center for Energy and Environmental Studies is currently studying relationships which may exist between geological and radiological factors (NORM) in produced water samples. The goal also involves the observation of selected water parameters and determine their relationship to the aforementioned factors as well.

PROJECT INTRODUCTION:

This project is to consist of three major tasks: (1) Radiological Analysis, (2) Correlative Results with Respect to NORM Activity, geological parameters and metals content, and (3) Technology Transfer.

The radiological results have been done by a subcontractor with the chemical analysis of samples and the geological component to be generated in-house or by another (as of yet undetermined source).

RESULTS AND DISCUSSION:

During this reporting period, efforts were geared towards finalizing the metals analysis of the produced water samples of the sites selected. The appropriate methods, etc., are in place and are currently being employed.

CONCLUSION:

We have obtained preliminary results and have reached some tentative conclusions from these results. These results will be indicated in the project final report.